

Title (en)
IMPLANTABLE, DIGITAL SIGNAL PROCESSING TELEMTRY RECEIVER

Title (de)
IMPLANTIERBARE EMPFÄNGER ZUR VERARBEITUNG VON DIGITALEN TELEMTRIESIGNALEN

Title (fr)
RECEPTEUR DE TELEMESURE IMPLANTABLE TRAITANT DES SIGNAUX NUMERIQUES

Publication
EP 0721363 B1 20040428 (EN)

Application
EP 95927347 A 19950721

Priority
• US 9509238 W 19950721
• US 28299794 A 19940729

Abstract (en)
[origin: US5466246A] An improved programmer apparatus for receiving digital data telemetered from an implantable device such as a heart pacemaker with substantially reduced hardware complexity and with convenient flexibility to adapt to data received in multiple modulation formats and data rates. The apparatus includes a conventional front-end receiver for receiving the data in both a reflected-impedance telemetry mode and an active telemetry mode, and it further includes a digital signal processor for efficiently processing data samples of the received telemetry data. Processing the received data in software allows for great processing flexibility, including a convenient reconfiguration to accommodate new modulation formats and data rates for implantable devices developed at a later time.

IPC 1-7
A61N 1/37; A61N 1/372

IPC 8 full level
A61N 1/372 (2006.01)

CPC (source: EP US)
A61N 1/3727 (2013.01 - EP US); **Y10S 128/904** (2013.01 - EP)

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
US 5466246 A 19951114; DE 69532948 D1 20040603; DE 69532948 T2 20040902; EP 0721363 A1 19960717; EP 0721363 A4 19980902; EP 0721363 B1 20040428; WO 9604041 A1 19960215

DOCDB simple family (application)
US 28299794 A 19940729; DE 69532948 T 19950721; EP 95927347 A 19950721; US 9509238 W 19950721